

17 ACRONYMS AND ABBREVIATIONS

μT	microtesla	CDWR	California Department of Water Resources
AB	Assembly Bill	CEC	California Energy Commission
ac	acre	CEQ	Council on Environmental Quality
AC	Alameda County	CEQA	California Environmental Quality Act
ACE	Altamont Commuter Express	CERCLA	Comprehensive Environmental Response and Liability Act
ACGIH	American Conference of Governmental Industrial Hygienists, Inc.	CESA	California Endangered Species Act
ACM	Asbestos Containing Materials	CFR	Code of Federal Regulations
ADL	aerially deposited lead	CH4	methane
AFB	Air Force Base	CHRIS	California Historical Resources Information System
ANSI/IEEE	American National Standards Institute/Institute of Electrical and Electronic Engineers	CIDH	Cast-in-drilled-hole
APE	area of potential effects	cm	centimeters
ASTM	American Society for Testing and Materials	CNDDB	California Natural Diversity Database
Authority	California High-Speed Rail Authority	CNEL	community noise equivalent level
AWP	Annual Work Plan	CNPS	California Native Plant Society
BA	biological assessment	CO	carbon monoxide
BART	Bay Area Rapid Transit	CO ₂	carbon dioxide
BCDC	Bay Conservation and Development Commission	Commission	California Intercity High Speed Rail Commission
Bcf	billion cubic feet	CPAU	City of Palo Alto Utilities
Bcm	million cubic meters	CPUC	California Public Utilities Commission
BMP	best management practices	CRHR	California Register of Historical Resources
BO	biological opinion	CSC	California species of special concern
BRMP	Biological Resources Management Plans	CUPA	Certified Unified Program Agencies
Btu	British thermal unit	CURBA	California Urbanization and Biodiversity Analysis
C.C.R.	California Code of Regulations	CVP	Central Valley Project
CAA	Clean Air Act	CWA	Clean Water Act
CAFÉ	Corporate Average Fuel Economy	CWR	continuously welded rail
CalEPA	California Environmental Protection Agency	CZMA	Coastal Zone Management Act
Cal-ISO	California Independent State Operator	CZMP	coastal zone management program
Caltrans	California Department of Transportation	DOI	U.S. Department of the Interior
CARB	California Air Resources Board	DOT	Department of Transportation
CAT	Ceres Area Transit	DTSC	California Department of Toxic Substances Control
CCA	chromated copper arsenate	EDMS	Emission and Dispersion Modeling System
CCAA	California Clean Air Act	EF	electric field
CCC	California Coastal Commission	EFH	Essential Fish Habitat
CCJPA	Capitol Corridor Joint Powers Authority	EIR/EIS	environmental impact report/ environmental impact statement
CDF	California Department of Forestry and Fire Protection	ELF	extremely low frequency
CDFG	California Department of Fish and Game	EMF	electromagnetic field

EMI	electromagnetic interference	ITP	Transportation Efficiency Act
EMUs	electric multiple units	ITP	incidental take permit
EO	Executive Order	ITS	intelligent transportation system
EPA	U.S. Environmental Protection Agency	JPB	Joint Powers Board
EPIC	Environmental Protection Indicators for California	km per hour	kph
ESA	federal Endangered Species Act	km	kilometers
ESAs	Environmentally Sensitive Areas	kpl	kilometers per liter
FAA	Federal Aviation Administration	kV	kilovolt
FARS	Fatality Analysis Reporting System	LAUS	Los Angeles Union Station
FCC	Federal Communications Commission	LAVTA	Livermore Amador Valley Transit Authority
FEMA	Federal Emergency Management Agency	LBP	lead-based paint
FERC	Federal Energy Regulatory Commission	LCMMP	Land Cover Mapping and Monitoring Program
FHWA	Federal Highway Administration	LCP	local coastal program
FIRE	finance, insurance, and real estate	Ldn	Day-Night Sound Level
FIRM	Flood Insurance Rate Maps	LEDPA	least environmentally damaging practicable alternative
FMMP	Farmland Mapping and Monitoring Program	Leq	Equivalent Sound Level
FPPA	Farmland Protection Policy Act	LESA	Land Evaluation and Site Assessment
FR	Federal Register	LEV	low emission vehicle
FRA	Federal Railroad Administration	LF	low frequency
ft	feet	Lmax	Maximum Sound Level
FTA	Federal Transit Administration	LOS	level of service
GEA	Grassland Ecological Area	LPI	least potential impacts region
General Construction Permit	General Permit for Construction Activities	LTO	landing and take-off
general WDRs	general waste discharge requirements	LUFT	Leaking Underground Fuel Tank
GIS	geographic information systems	LUST	Leaking Underground Storage Tank
GPI	greatest potential impacts per region	m	meters
GSP	gross state product	MCAG	Merced County Association of Governments
GWh	gigawatt-hours	MCE	Merced Municipal/Macready Field
ha	hectare	MF	magnetic field
HABS	Historic American Building Survey	mG	milligauss
HAER	Historic American Engineering Record	mi	mile
HASP	Health and Safety Plan	MMBTUs	million British thermal units
HC	hydrocarbons	MOD	Modesto City-County-Harry Sham Field
HCP	Habitat Conservation Plan	MOU	memorandum of understanding
HOVs	high-occupancy vehicles	mpg	miles per gallon
HST	high-speed train	mph	miles per hour
Hz	hertz	MPOs	Metropolitan Planning Organizations
I-5	Interstate 5	MST	Monterey-Salinas Transit
ICE	InterCity Express	MTC	Metropolitan Transportation Commission
ICES	International Committee on Electromagnetic Safety	Muni	Municipal Railway
ICNIRP	International Commission on Non-Ionizing Radiation protection	MW	megawatts
in	inch	NAAQS	National Ambient Air Quality Standards
IOU	investor-owned utility	NAHC	Native American Heritage Commission
ISAC	Invasive Species Advisory Committee	NCCP	natural community conservation plan
ISTEA	Intermodal Surface	NCP	National Contingency Plan
		NCRP	National Council on Radiation

NCRS	Protection Natural Resources Conservation Service	ROWD	report of waste discharge
NEC	Northeast Corridor	RPS	Renewable Portfolio Standard
NEPA	National Environmental Policy Act	RTIP	regional transportation improvement plans
NFIP	National Flood Insurance Program	RTP	regional transportation plan
NHPA	National Historic Preservation Act	RWQCBs	California Regional Water Quality Control Boards
NHRP	National Register of Historic Places	S&I	service and inspection
NISC	National Invasive Species Council	SACOG	Sacramento Area Council of Governments
No Project	No Project/No Action	SamTrans	San Mateo County Transit District
NO	nitric oxide	SANDAG	San Diego Association of Governments
NO2	nitrogen dioxide	SARA	Superfund Amendments and Reauthorization Act
NOA	naturally occurring asbestos	SCADA	System Control And Data Acquisition
NOAA	National Oceanic and Atmospheric Administration	SCAG	Southern California Association of Governments
NOI	notice of intent	SCVTA	Santa Clara Valley Transportation Authority
NOP	notice of preparation	SEAs	significant ecological areas
NO _x	oxides of nitrogen	SEL	Sound Exposure Level
NPDES	National Pollutant Discharge Elimination System	SFEI	San Francisco Estuary Institute
NPL	National Priorities List	SFHA	special flood hazard area
NRCS	Natural Resources Conservation Service	SFPUC	San Francisco Public Utility Commission
NRHP	National Register of Historic Places	SHPO	State Historic Preservation Office
NWI	National Wetland Inventory	SIC	standard industrial classification
NWPs	nationwide permits	SIP	state implementation plan
O&M	operating and maintenance	SJC	Norman Y. Mineta San Jose International Airport
O3	ozone	SJCOG	San Joaquin Council of Governments
OAG	Official Airline Guide	SJRTD	San Joaquin Regional Transit District
OAK	Oakland International Airport	SLIC	Spill, Leak, Investigations, and Cleanup
OEHHA	Office of Environmental Health Hazard Assessment	SO2	sulfur dioxide
OSHA/CalOSHA	federal and state Occupational Safety & Health Administration	SO3	sulfur trioxide
P.L.	Public Law	SO _x	sulfur oxides
PA	programmatic agreement	SPL	State Priority List
Pb	lead	sq km	square kilometers
PCBs	polychlorinated biphenyls	sq mi	square miles
PCP	pentachlorophenol	SR	State Route
PKT	passenger kilometers traveled	StanCOG	Stanislaus Council of Governments
Plan	San Francisco Bay Area Regional Rail Plan	StaRT	Stanislaus Regional Transit
PM10	particulate matter 10 microns in diameter or less	STIP	State Transportation Improvement Project
PM2.5	particulate matter 2.5 microns in diameter or less	SWLF	solid waste landfill
PMT	passenger miles traveled	SWP	State Water Project
PRBO	Point Reyes Bird Observatory	SWPPP	Storm Water Pollution Prevention Plan
Program EIR/EIS	Bay Area to Central Valley HST Program EIR/EIS	TA	time audible
RCRA	Resource Conservation and Recovery Act	TALC	Transportation Land Use Coalition
RF	radiofrequency	Tcf	trillion cubic feet
RM2	Regional Measure 2	Tcm	trillion cubic meters
ROG	reactive organic gases	TDRs	time domain reflectometers
ROTA	Riverbank-Oakdale Transit Authority		

TDS	total dissolved solids
TGV	Train à Grande Vitesse
TMDLs	total maximum daily loads
TOD	transit-oriented design
TOG	total organic gases
TSM	Transportation System Management
UPRR	Union Pacific Railroad
USACE	U.S. Army Corps of Engineers
USDA	U.S. Department of Agriculture
USFWS	U. S. Fish and Wildlife Service
USGS	U.S. Geological Survey
UST	underground storage tank
V/C	volume-to-capacity
V/m	volts per meter
VHS	very high-speed
VKT	vehicle kilometers of travel
VLF	very low frequency
VMT	vehicle miles of travel
VOCs	volatile organic compounds
WHEELS	Livermore Amador Valley Transit Authority